

# Nationally Notifiable Infectious Diseases and Conditions, United States: Annual Tables

TABLE 2p. Annual reported cases\* of notifiable diseases, by region and reporting area, United States, U.S. Territories, and Non-U.S. Residents, 2020<sup>†</sup>

Data from some reporting areas may be incomplete due to the coronavirus disease 2019 (COVID-19) pandemic or due to post-reconciliation data updates that could not be confirmed or included in the final data set. Please see Note #9 and Note #10, respectively.

(Accessible Version: <https://wonder.cdc.gov/nndss/static/2020/annual/2020-table2p.html>)

Reporting Area	Spotted fever rickettsiosis			Streptococcal toxic shock syndrome	Syphilis		
	Total	Confirmed	Probable		Total, all stages <sup>§</sup>	Congenital <sup>¶</sup>	Primary and secondary
U.S. Residents, excluding U.S. Territories	1,175	64	1,111	224	133,933	2,148	41,654
New England	16	—	16	23	2,726	13	1,075
Connecticut	8	—	8	10	529	2	279
Maine	—	—	—	9	81	—	38
Massachusetts	6	—	6	2	1,658	10	615
New Hampshire	1	—	1	—	120	—	51
Rhode Island	—	—	—	—	315	1	89
Vermont	1	—	1	2	23	—	3
Middle Atlantic	43	1	42	12	15,895	68	4,832
New Jersey	35	1	34	6	2,385	24	764
New York (excluding New York City)	5	—	5	3	1,961	12	777
New York City	—	—	—	—	8,652	18	2,245
Pennsylvania	3	—	3	3	2,897	14	1,046
East North Central	71	—	71	49	11,262	100	4,231
Illinois	24	—	24	27	4,565	26	1,467
Indiana	17	—	17	14	1,347	6	527
Michigan	5	—	5	4	2,059	29	787
Ohio	22	—	22	3	2,457	33	1,084
Wisconsin	3	—	3	1	834	6	366
West North Central	138	29	109	7	4,956	54	1,792
Iowa	4	—	4	N	501	1	194
Kansas	25	3	22	1	539	8	150
Minnesota	—	—	—	4	1,098	7	417
Missouri	92	23	69	2	2,331	30	829
Nebraska	8	2	6	—	268	1	104
North Dakota	1	—	1	—	91	3	32
South Dakota	8	1	7	—	128	4	66
South Atlantic	334	17	317	66	29,659	345	9,296
Delaware	19	—	19	—	222	2	97
District of Columbia	5	2	3	—	988	3	247
Florida	14	3	11	N	12,416	154	3,520
Georgia	26	1	25	44	5,596	82	1,757
Maryland	20	4	16	—	2,683	31	873
North Carolina	187	6	181	9	3,714	31	1,322
South Carolina	10	1	9	1	1,681	19	652
Virginia	48	—	48	7	1,953	15	701
West Virginia	5	—	5	5	406	8	127
East South Central	277	4	273	8	7,250	102	2,482
Alabama	88	1	87	N	1,517	21	529
Kentucky	55	1	54	8	1,139	13	445
Mississippi	23	—	23	N	2,131	37	741
Tennessee	111	2	109	—	2,463	31	767
West South Central	242	7	235	1	20,987	700	4,855
Arkansas	213	5	208	—	1,243	23	502
Louisiana	5	—	5	1	2,497	63	704
Oklahoma	12	—	12	N	1,889	53	941
Texas	12	2	10	N	15,358	561	2,708
Mountain	48	5	43	58	10,627	236	3,581

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Territories, and Non-U.S. Residents, 2020<sup>†</sup>

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Reporting Area	Spotted fever rickettsiosis			Streptococcal toxic shock syndrome	Syphilis		
	Total	Confirmed	Probable		Total, all stages §	Congenital ¶	Primary and secondary
Arizona	35	2	33	—	4,460	120	1,454
Colorado	2	—	2	2	1,785	22	640
Idaho	3	1	2	—	184	2	66
Montana	2	—	2	—	101	2	45
Nevada	2	1	1	24	2,218	46	767
New Mexico	2	—	2	—	1,496	42	467
Utah	1	1	—	32	351	1	131
Wyoming	1	—	1	—	32	1	11
Pacific	6	1	5	—	30,571	530	9,510
Alaska	N	N	N	N	361	8	176
California	1	—	1	N	26,414	481	7,688
Hawaii	N	N	N	—	397	12	182
Oregon	3	1	2	N	1,320	19	628
Washington	2	—	2	N	2,079	10	836
U.S. Territories	—	—	—	—	891	4	287
American Samoa	N	N	N	N	—	—	—
Commonwealth of Northern Mariana Islands	—	—	—	—	2	—	2
Guam	N	N	N	—	21	—	5
Puerto Rico	N	N	N	N	828	4	276
U.S. Virgin Islands	—	—	—	—	40	—	4
Non-U.S. Residents	—	—	—	—	12	—	1
Total	1,175	64	1,111	224	134,836	2,152	41,942

—: No reported cases — The reporting jurisdiction did not submit any cases to CDC.

N: Not reportable — The disease or condition was not reportable by law, statute, or regulation in the reporting jurisdiction.

U: Unavailable — The data are unavailable.

\* Cases are assigned to the reporting jurisdiction submitting the case to NNDSS if the case's country of usual residence is the United States, a U.S. territory, unknown, or country is not reported; otherwise, the case is assigned to the Non-U.S. Residents' category. Country of usual residence is currently not reported by all jurisdictions or for all conditions because this data element is only available in the HL7 generic version 2 and disease-specific message mapping guides. If a jurisdiction sends data in legacy formats, they are not able to send this information. For further information on interpretation of these data, see <https://www.cdc.gov/nndss/data-statistics/readers-guides/>.

† To calculate rates, use the populations provided in Table 8. Note that calculation of rates for the following conditions use population subsets presented in Table 8: Zika virus infection, congenital; Zika virus disease, congenital; Infant botulism; Congenital rubella syndrome; Perinatal Hepatitis B infection; Perinatal Hepatitis C infection; *Haemophilus influenzae*, invasive disease; Invasive pneumococcal disease; and Influenza-associated pediatric mortality. Also see Notes #3 and #7.

§ Includes the following categories: primary; secondary; early non-primary non-secondary (includes cases previously reported as early latent); unknown duration or late (includes cases previously reported as late latent syphilis and cases previously reported as late syphilis with clinical manifestations) and congenital syphilis.

¶ Congenital syphilis cases are usually assigned to the mother's state of residence at the time of delivery. Data for congenital syphilis are aggregated by the infant's year of birth.

**Notes:**

1. These are **annual** cases of selected infectious national notifiable diseases from the National Notifiable Diseases Surveillance System (NNDSS). NNDSS data reported by the 50 states, New York City, the District of Columbia, and the U.S. territories are collated and published. Cases are reported by state health departments to CDC weekly. Because source datasets may be updated as additional information is received, statistics in publications based on that source data may differ from what is presented in these tables. Source datasets for the 2020 annual tables were officially closed on September 27, 2022.
2. The list of national notifiable Infectious diseases and conditions for 2020 and their national surveillance case definitions are available by navigating to the [Surveillance Case Definitions | CDC](#) web page, selecting "2020" for the notifiable condition list year, checking "Infectious" conditions, and clicking "Get Notifiable List by Year". This list incorporates the Council of State and Territorial Epidemiologists (CSTE) position statements approved in 2019 by CSTE for national surveillance that were implemented in January 2020. Revised case definitions were implemented for the following conditions: plague, legionellosis, acute hepatitis C, spotted fever rickettsiosis, and pertussis. In addition, CSTE adopted the first coronavirus disease 2019 (COVID-19) national surveillance case definition on April 5, 2020, and they approved a revision to the COVID-19 national surveillance case definition, effective August 5, 2020. Publication criteria for the finalized 2020 data are available at [https://wonder.cdc.gov/nndss/documents/2020\\_NNDSS\\_Publication\\_Criteria\\_03162022.pdf](https://wonder.cdc.gov/nndss/documents/2020_NNDSS_Publication_Criteria_03162022.pdf). See also [Guide to Interpreting Provisional and Finalized NNDSS Data](#).
3. Population estimates for incidence rates are July 1st, 2020, estimates obtained from the National Center for Health Statistics (NCHS) postcensal estimates of the resident population of the United States for April 1, 2010, to July 1, 2020, by year, county, single year of age (range: 0 to 85 years), bridged-race (white, black or African American, American Indian or Alaska Native, Asian, or Pacific Islander), Hispanic ethnicity (not Hispanic or Latino, Hispanic or Latino), and sex (Vintage 2020), prepared under a collaborative arrangement with the U.S. Census Bureau. Population estimates for states released September 21, 2021, are available at [https://www.cdc.gov/nchs/nvss/bridged\\_race/data\\_documentation.htm](https://www.cdc.gov/nchs/nvss/bridged_race/data_documentation.htm). Population estimates for territories are the 2020 mid-year estimates

from the U.S. Census Bureau International Data Base, accessed on March 15, 2022, at [https://www.census.gov/data-tools/demo/idb/#/country?YR\\_ANIM=2022](https://www.census.gov/data-tools/demo/idb/#/country?YR_ANIM=2022). The choice of population denominators for incidence is based on the availability of population data at the time of publication preparation.

4. Annual tables for 2016 and later years are available on [CDC WONDER](#).
5. Annual summary reports from 1993–2015 are available as published in the *Morbidity and Mortality Weekly Report*.
6. NNDSS annual tables since 1952 are available at [CDC Stacks](#) (once in CDC Stacks, select "Annual Reports" in the "Genre" box to the left).
7. For most conditions, national incidence rates are calculated as the number of reported cases for each infectious disease or condition divided by the U.S. resident population for the specified demographic population or the total U.S. resident population, multiplied by 100,000. When a national notifiable infectious condition is associated with a specific age restriction, the same restriction was applied to the population in the denominator of the incidence rate calculation. In addition, population data from reporting jurisdictions in which the disease or condition was not reportable or not available were excluded from the denominator of the incidence rate calculations.

Age restrictions in the numerator and denominator are applied for the following childhood conditions:

- Zika virus disease, congenital (age restriction in numerator and denominator is <1 year)
- Zika virus infection, congenital (age restriction in numerator and denominator is <1 year)
- Haemophilus influenzae*, invasive disease <5 years (age restriction in numerator and denominator is <5 years)
- Invasive pneumococcal disease <5 years (age restriction in numerator and denominator is <5 years)
- Influenza associated pediatric mortality (age restriction in numerator and denominator is <18 years)
- Infant botulism (age restriction in numerator and denominator is <1 year)
- Congenital rubella syndrome (age restriction in numerator and denominator is <1 year)
- Perinatal hepatitis B infection (age restriction in numerator is ≤24 months, denominator is <24 months)
- Perinatal hepatitis C infection (age restriction in numerator is ≤36 months, denominator is <36 months).

Data for congenital syphilis are aggregated by the infant's year of birth. The rate for congenital syphilis is based upon the number of reported cases per 100,000 live births, using natality data for 2020 (National Center for Health Statistics [Natality 2020](#), as compiled from data provided by the Vital Statistics Cooperative Program). Congenital syphilis cases are usually assigned to the mother's state of residence at the time of delivery. The mother's race and ethnicity are used for race- and ethnicity-specific rates of congenital syphilis cases.

8. Surveillance data reported by other CDC programs might vary from data reported in these tables because of differences in 1) the date used to aggregate the data, 2) the timing of reports, 3) the source of the data, 4) surveillance case definitions, and 5) policies regarding case jurisdiction (i.e., which jurisdiction should submit the case notification to CDC).
9. The following reporting areas may have incomplete data, due to technical or programmatic challenges while reconciling data during the COVID-19 pandemic: California, Guam, and Minnesota.
10. The following reporting areas may have incomplete data due to updates made to their data after the 2020 reconciliation period ended and there was not sufficient time before publication of the annual tables to confirm the updated counts: Idaho, Kansas, Maryland, Vermont, and Virgin Islands.
11. Of the reporting areas that submitted 2020 aggregate COVID-19 data to CDC, three did not submit probable cases. New York (excluding New York City) and Utah did not collect probable cases. U.S. Virgin Islands collected probable cases, but did not report them to CDC.
12. Disease data presented in the 2020 tables reflect impacts of the COVID-19 pandemic, such as changes in exposure-related behavior, healthcare-seeking behavior, disease reporting, and public health investigations.

#### **Suggested Citation:**

- Centers for Disease Control and Prevention. National Notifiable Diseases Surveillance System, 2020 Annual Tables of Infectious Disease Data. Atlanta, GA. CDC Division of Health Informatics and Surveillance, 2023. Available at: <https://www.cdc.gov/nndss/data-statistics/infectious-tables/index.html>.

#### **Acknowledgment:**

- CDC acknowledges the local, state, and territorial health departments that collected the data from a range of case ascertainment sources (e.g., healthcare providers, hospitals, laboratories) and reported these data to CDC's National Notifiable Diseases Surveillance System.

### **National Notifiable Diseases Surveillance System**

Provided by [CDC WONDER](#)